

Table 1. Guide for Selecting Initial Proof Rolling Stress Level

Well Graded Soils						(GW) Gravel-sand mixtures little or no fines	
					(GW-GM, GW-GC, GC) Gravel-sand-silt-clay mixtures		
					(SW) Sand or gravelly sands, little or no fines		
					(SW-SC) Sand-silt-clay mixtures, slightly plastic		
					(SW-SM, SM) Silty sands or sand-silt mixtures		
Poorly Graded Soils			(SP) Sands or gravelly sands, little or no fines				
			(SP-SC, SP-SM) Sand-silt-clay mixtures, plastic		(GM, GP-GM, GP-GC) Silty gravels or gravel-sand-silt mixtures		
		(SC) Sand-silt-clay mixtures or clayey sands, plastic to high PL					
		(ML) Sils and very fine sands, slight or no plasticity			(GP) Gravels and gravel-sand Mixtures, little or no fines		
	(CL, CL-ML, OL) Lean clays, silty clays, slightly plastic to plastic						
	(MH) Elastic silts, micaceous or diatomaceous silts						
	(CH, OH) Fat clays, silty clays, highly plastic						
Relative Subgrade Support	Poor	Fair		Good			Excellent
Stress Level	Minimum	1	2	3	4	5	Maximum
Load (tons)	30	34	38	42	46	50	50
Tire Inflation pressure (psi)	40	50	60	70	80	90	130